

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/GB2004/001710

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A47G25/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A47G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 137 191 A (BLANCHARD RUSSELL O ET AL) 11 August 1992 (1992-08-11) the whole document	1-3, 5-8, 13, 19, 23-26
X	US 4 040 546 A (LIEBSCHER JOHANNES ET AL) 9 August 1977 (1977-08-09) the whole document	1, 2, 4, 7, 8, 15, 16, 19-25, 29-32
X	US 3 679 100 A (BRORSON DONALD L ET AL) 25 July 1972 (1972-07-25) the whole document	1, 2, 4-6, 8, 13, 19, 23-26
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

13 July 2004

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20/07/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 000 587 A (SACKETT ELEANOR L ET AL) 14 December 1999 (1999-12-14) figures 6-13	1,2,4,6, 8,13,15, 19-26, 29-32
X	US 3 257 049 A (SMITH A B) 21 June 1966 (1966-06-21) the whole document	1,2,4,6, 8,14, 23-25
X	US 2 543 810 A (SKLAAR R) 6 March 1951 (1951-03-06) the whole document	1,2,4-6, 15,18, 19, 23-25,29
X	US 2 984 394 A (CHANKIN D D) 16 May 1961 (1961-05-16) the whole document	1,2,4,6, 8,9,13, 23-27
A	DE 19 27 624 A (F. M. FRATELLI MAINETTI DI MAINETTI ROMEO & CO. S.A.S.) 3 December 1970 (1970-12-03) the whole document	8-12,27

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5137191	A	11-08-1992	CA GB	2065907 A1 2254781 A ,B		17-10-1992 21-10-1992
US 4040546	A	09-08-1977	DE ES FR IT JP NL SE	2457738 A1 217221 Y 2293173 A1 1050747 B 51082141 A 7513623 A 7513684 A		16-06-1976 01-01-1977 02-07-1976 20-03-1981 19-07-1976 09-06-1976 08-06-1976
US 3679100	A	25-07-1972		NONE		
US 6000587	A	14-12-1999	US	5649652 A		22-07-1997
US 3257049	A	21-06-1966		NONE		
US 2543810	A	06-03-1951		NONE		
US 2984394	A	16-05-1961		NONE		
DE 1927624	A	03-12-1970	DE	1927624 A1		03-12-1970